

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

This agenda was last updated on February 27, 2013

NRC SPACE SCIENCE WEEK SPRING 2013 MEETING OF THE STANDING COMMITTEES OF THE SPACE STUDIES BOARD

Agenda

(subject to change)

March 6-8, 2013

NAS Building – 2101 Constitution Ave NW – Washington D.C.

Wednesday, March 6th, 2013

PLENARY SESSION - Auditorium

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| 8:30 AM | <i>Room Opens, Breakfast Available (Great Hall)</i> | |
| 9:00 AM | Welcome | <i>Michael Moloney, SSB Director</i> |
| 9:05 AM | Opening Remarks | <i>Charlie Kennel, SSB Chair / Debra Elmegreen, BPA Vice-Chair</i> |
| 9:15 AM | Keynote Presentation: Current State of Play at SMD | <i>John Grunsfeld, AA for Science, NASA</i> |
| 10:10 AM | <i>Break</i> | |
| 10:40 AM | Views from the Capitol Hill | <i>Attendance - TBC</i> |
| 11:15 AM | Views from the Office of Science and Technology Policy | <i>Attendance - TBC</i> |
| 11:50 PM | Current Status and Expected Evolution of Launch Services for SMD | <i>James Norman, NASA</i> |
| 12:30 PM | <i>Working Lunch (Great Hall, with seating in the afternoon session rooms)</i> | |

AFTERNOON PARALLEL BREAK-OUT JOINT SESSION #1 – Lecture Room

JOINT MEETING OF COMMITTEE ON ASTRONOMY AND ASTROPHYSICS COMMITTEE ON ASTROBIOLOGY AND PLANETARY SCIENCE ON EXOPLANET SCIENCE

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| 2:00 PM | Welcome and Introduction to the Session | <i>Phil Christensen, J. Greg Ferry, David Spergel and Paul Schecter</i> |
| 2:05 PM | Overview and Kepler Update | <i>Dimitar Sasselov, Harvard/Smithsonian Center for Astrophysics and Harvard Origins of Life Initiative</i> |
| 2:50 PM | Results from Radial-Velocity Surveys | <i>Debra Fischer, Yale University</i> |
| 3:20 PM | Architecture and Demographics of Planetary Systems | <i>Scott Tremain, Institute for Advanced Study</i> |
| 4:05 PM | <i>Break</i> | |
| 4:20 PM | Modeling Exoplanets | <i>Adam Showman, University of Arizona</i> |
| 5:05 PM | The Science of Exoplanets and Their Systems | <i>Linda Elkins-Tanton</i> |
| 5:20 PM. | General Discussion on Issues in Exoplanet Research | <i>Committees and Guests</i> |
| 6:00 PM | <i>Adjourn for the day</i> | |

AFTERNOON PARALLEL BREAK-OUT JOINT SESSION #2 – Room 125

**JOINT MEETING OF
COMMITTEE ON EARTH SCIENCE AND APPLICATIONS FROM SPACE
COMMITTEE ON SOLAR AND SPACE PHYSICS**

Meeting Topic: Sustaining Observations and the Research to Operations (R2O) Challenge

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| 2:00 PM | Introductions: Context for Joint Session | <i>Mark Abbott & Joyce Penner (CESAS Chair & Vice Chair) Todd Hoeksema & Mary Hudson (CSSP Co-Chairs)</i> |
| 2:20 PM | Perspectives on the R2O Challenge and Discussion of the Forthcoming National Strategy for Earth Observations Report [Note: report will be released with the President's FY14 budget, which is not expected until well after our meeting] | <i>Peter Colohan, Johannes Loschnigg, and Tammy Dickinson, OSTP</i> |
| 3:00 PM | Agency Perspectives (~ 10 minute each): | |
| | <ul style="list-style-type: none">• <i>Mike Freilich, NASA ESD</i>• <i>Louis Uccellini, NOAA NWS (invited)</i>• <i>Rich Behnke, NSF GEO/ATM</i>• <i>Vicki Elsbernd, NASA Heliophysics Div.</i>• <i>Sarah Ryker, USGS Climate and Land Use Change (invited)</i> | |
| 4:00 PM | Break | |
| 4:30 PM | Q&A with Panel/Roundtable Discussions | |
| 6:00 PM | Adjourn for the day | |

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NRC SPACE SCIENCE WEEK Committee on Earth Science and Applications from Space

March 7-8, 2013
NAS Building – 2101 Constitution Ave NW – Washington D.C.

Thursday, March 7, 2013 (NAS Lecture Room)

OPEN SESSION

Following updates from NASA and NOAA, sessions structured around the development of a task statement and possible participants for a workshop/study that would provide a rigorous assessment of the continuity needs for key measurements now undertaken by NASA's Earth Science Division. What are the critical measurements and what is the process by which they are determined? How do we determine quantitatively the types of gaps that are tolerable? How might lower-quality data sets "fill" gaps?

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| 8:00 AM | <i>Room Opens, Breakfast Available</i> (in the meeting room) | |
| 9:00 AM | Committee Convenes, Context for the Meeting | <i>Mark Abbott, Chair and Joyce Penner, Vice-Chair</i> |
| 9:15 AM | Update on NASA Programs and Plans | <i>Mike Freilich, Director NASA/ESD</i> |
| 9:50 AM | <i>Pause</i> | |
| <u>Session on "Continuity" Needs for Research Measurements Undertaken by NASA ESD</u> | | |
| 10:00 AM | Challenges of Maintaining Continuity from a NASA Perspective and Thoughts on the Workshop/Study | <i>Mike Freilich, Director NASA/ESD</i> |
| 10:50 AM | <i>Break</i> | |
| 11:10 AM | Discussion with NAC Earth Science Subcommittee Chair | <i>Byron Tapley, UT Austin</i> |
| 11:50 AM | Discussion with Jim Tucker, NASA GSFC | |
| 12:30 PM | <i>Working Lunch</i> (in the meeting room) | |
| 2:00 PM | Challenges to Maintaining Continuity of Observing Systems for Global Change Research | <i>Tom Karl, Director NOAA/NCDC</i> |
| 2:40 PM | <i>Break</i> | |
| 3:00 PM | Framing the Issues: Roundtable Discussion on Potential Study on Continuity | |
| | <ul style="list-style-type: none">• Purpose of study?• Study scope and charge?• Other relevant issues/questions• Ideas for participants | |
| 5:30 PM | <i>Adjourn for the day</i> | |

Friday, March 8, 2013 (NAS Lecture Room)
CLOSED SESSION